3.3

Find the slope of the line passing through the given points.

1. $C(-2, -4), D(8, 12)$

2. $J(-4, 6), K(3, -10)$

3. $P(0, 12), R(12, 0)$

(4) Given: $s \perp t$ and the slope of s is $\frac{4}{7}$. Find the slope of t.

(5) Which word(s) best describe the relationship between **Line 1** and **Line 2.**
Line 1 contains points at (2, –4) and (5, 0).
Line 2 contains points at (–8, –5) and (–5, –1).

[A] perpendicular [B] parallel [C] neither perpendicular nor parallel [D] They are the same line.

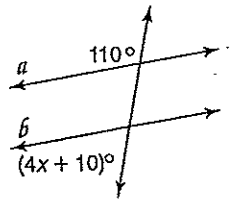
(6) Given: $s \parallel t$ and the slope of s is $\frac{7}{2}$. Find the slope of t.

t

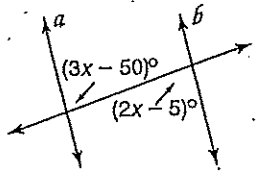
Find the value of x so that $a \parallel b$.

1.4

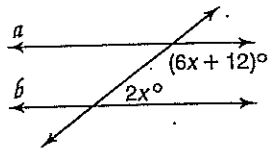
1.



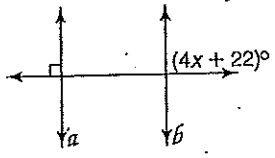
2.



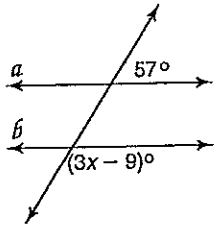
3.



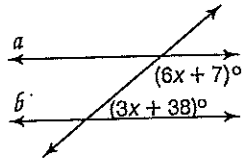
4.



5.



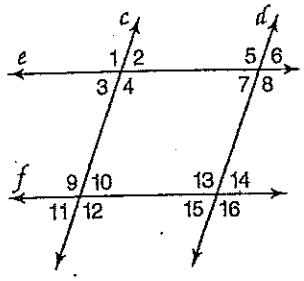
6.



Given the following information, determine which lines, if any, are parallel. State the postulate or theorem that justifies your answer.

7. $\angle 1 \cong \angle 8$

8. $\angle 4 \cong \angle 9$



9. $m\angle 7 + m\angle 13 = 180$

10. $\angle 9 \cong \angle 13$

)

Ive the systems

$3x + 6y = -6$

$5x - 2y = 14$

(2) $5x - 2y = 0$

$2x - 3y = -11$

(3) Graph a line passing through (5, 4) ⊥ to a.

a